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	Application No.		
	09/863,332		
Notice of Allowability	Examiner	Art Unit	
	Dwayne K Handy	1743	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in 35) or other appropriate commune RIGHTS. This application is su	h the correspondence add this application. If not including a find the mailed in du	uded
1. \boxtimes This communication is responsive to <u>the amendment file</u>	<u>ed 12/12/2003</u> .		
2. The allowed claim(s) is/are <u>1-4</u> .			
3. The drawings filed on 24 May 2001 are accepted by the	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 2. Certified copies of the priority documents ha 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	ive been received. ive been received in Application	n No	cation from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	E" of this communication to file a IMENT of this application.	a reply complying with the r	equirements
 A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi 	mitted. Note the attached EXAN	VINER'S AMENDMENT or declaration is deficient.	NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mi	ust be submitted.		
(a) ☐ including changes required by the Notice of Draftspe	rson's Patent Drawing Review	(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or in	n the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the	e drawings in the front (not the	he back) of
7. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATER	RIAL must be submitted	Note the
Attachment(s)			
1. Notice of References Cited (PTO-892)		rmal Patent Application (P)	ΓΟ-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paner No /M	nmary (PTO-413), lail Date	
 Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date 	/08), 7. ☐ Examiner's Ai	mendment/Comment	
. []	8. 🛛 Examiner's St	tatement of Reasons for All	lowance
Examiner's Comment Regarding Requirement for Deposit of Biological Material	9. ☐ Other		lowance

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Allowable Subject Matter

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1. Claims 1-4 allowed.

2. The following is an examiner's statement of reasons for allowance. Applicant has claimed a microfluidic driving device comprised of the following elements: a substrate, a microchannel formed in the substrate, a first Venturi pump connected to the microchannel to generate a pumping force in a first direction in the microchannel when an airflow is applied to the first pump, a second Venturi pump connected to the microchannel to generate a pumping force in a second direction in the microchannel when an airflow is applied to the second pump, and an airflow supply connected to said first and second Venturi pumps to supply airflows to the pumps both together and separately. The Examiner did not find prior art that contains or suggests this combination of features. The Examiner considers the previously cited reference "Alajoki" to be the closest prior art. Alajoki teaches reversible flow in microchannels due to either electroosmotic pumps or pressure displacement pumps, but does not teach Venturi pumps.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne K Handy whose telephone number is (571)-272-1259. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on (571)-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DKH March 4, 2003

Supervisory Patent Examiner Technology Center 1700